

ABSTRACT

A surface acoustic wave (SAW) filter includes a first SAW resonator, a second SAW resonator connected in series to the first SAW resonator at a first node, a third SAW resonator connected in series to the second SAW resonator at a second node, a fourth SAW resonator connected in series to the third SAW resonator at a third node, a fifth SAW resonator connected between the first node and a ground, a sixth SAW resonator connected between the third node and a ground, and a first capacitance element having a capacitance and connected between the second node and a ground. This SAW filter has a sharp attenuation characteristic at a high frequency area of a pass band, thereby widening the pass band and reducing a loss at the pass band.